

Information and analysis for this section were taken from the Town of Kill Devil Hills Stormwater Management Plan Update, 1988, and the "Buildout Study Outer Banks District," North Carolina Power, January 11, 1988, the Booz-Allen and Hamilton Dare County Carrying Capacity/Development Study, and staff reports.

b. Existing Water and Sewer Service Areas

Until 1996, Kill Devil Hills, Dare County, and Nags Head shared in the operation of the Dare County Regional Water System. At that time, Kill Devil Hills relinquished its ownership rights to the systems= plants and sources. Kill Devil Hills is allocated 3 million gallons per day (MGD) of the 9.9 MGD that can be generated by water system facilities. The system can be expanded to generate a total of approximately 16.0 MGD, of which Kill Devil Hills would be entitled to approximately 4.5 MGD.

The average water consumption for the Kill Devil Hills system was approximately 1.22 MGD for fiscal year July 1, 1996 to June 30, 1997. The peak demand in 1997 was 2.0 MGD.

As of June, 1997, the Kill Devil Hills water system had 4,547 residential water meter accounts and 206 commercial accounts.

There are two elevated water storage tanks in Kill Devil Hills. One tank is located at the water plant on W. 8th Street and has a .25 million gallon capacity. Another tank is located at the Police, Fire, and Finance complex, 1634 North Croatan Highway and has a .20 million gallon capacity. Ground storage is .70 million gallons at W. 8th Street and .50 million gallons at the Police, Fire, and Finance complex. A County owned storage facility is located at the Reverse Osmosis Plant (RO Plant) on Mustian Drive in Kill Devil Hills.

Some capital improvements to the water systems include upgrading undersized water mains in high density areas, looping of dead end lines, adding fire hydrants in high density areas, providing for the future